

Please type a plus sign (+) inside this box → ☐

PTO/SB/05-2/98

Approved for use through 09/30/00. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no responses are required to respond to a collection of information unless it displays a valid OMB control number.

11/30/00  
PTO  
JCS03 U.S.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

Only for new nonprovisional applications under 37 CFR 1.53(b).

Attorney Docket No.	06192.0169
First Named Inventor or Application Identifier	Sang-Duk LEE, et al.
Title	Liquid Crystal Display Device
Express Mail Label No.	

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

**ADDRESS TO:**

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ \*Fee Transmittal Form (Form PTO-1082)  
(Submit an original and a duplicate for fee processing.)
2. ☒ Specification [Total Pages 27]  
(preferred arrangement set forth below):
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R&D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claims
  - Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC 113) [Total Sheets 13]
4. ☐ Oath or Declaration [Total Pages 4]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed.  
[Note Box 5 below])
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named  
in the prior application, see 37 CFR 1.63(d)(2) and  
1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy  
of the oath or declaration is supplied under Box 4b, is considered  
as being part of the disclosure of the accompanying application  
and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence (if applicable, all necessary):
  - a. ☐ Computer Readable Copy
  - b. ☐ Paper Copy (identical to computer copy)
  - c. ☐ Statement verifying identity of above  
copies

**ACCOMPANYING APPLICATION PARTS**

8. ☒ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS/PTO-1449) ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503) (Two)  
(should be specifically itemized)
14. ☐ \*Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired
15. ☒ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Other:

\*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27). EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

**17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:**

- ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: /  
Prior Application Information: Examiner: Group/Art Unit:

**18. CORRESPONDENCE ADDRESS**

- ☐ Customer Number or Bar Code Label or ☒ Correspondence address below  
(Insert Customer No. or Attach bar code label here.)

NAME	HOWREY SIMON ARNOLD & WHITE, LLP				
	Box No. 34				
ADDRESS	1299 Pennsylvania Avenue, N.W.				
CITY	Washington	STATE	DC	ZIP CODE	20004-2402
COUNTRY	US	TELEPHONE	202-783-0800	FAX	202-383-7195
Name (Print/Type)	Michael J. Bell		Registration No. (Attorney/Agent)		39,604
Signature	Michael J. Bell		Date	November 30, 2000	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

W. Del R. Marshall 41,403

ASSISTANT COMMISSIONER FOR PATENTS

Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): **Sang-Duk LEE, et al.**For: **LIQUID CRYSTAL DISPLAY DEVICE**

Enclosed are:

- ☒ 13 sheets of drawings. (Figs. 1 - 13, inclusive)
- ☒ An assignment of the invention to SAMSUNG ELECTRONICS CO., LTD.
- ☒ Form PTO-1595.
- ☒ A certified copy of KOREAN APPL. NOS. 1999-53932 AND 2000-44106
- ☐ An associate power of attorney.
- ☐ A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27.
- ☐ Executed Power of Attorney from Assignee.
- ☒ Executed Declaration for Patent Application.

The filing fee has been calculated as shown below:

(Col. 1)			(Col. 2)		SMALL ENTITY		OTHER THAN A SMALL ENTITY		
FOR	NO. FILED		NO. EXTRA		RATE	FEE	OR	RATE	FEE
BASIC FEE									
TOTAL CLAIMS	23	-20 =	*	3	x 9 =		OR	x 18 =	54.00
INDEP. CLAIMS	1	-3 =	*	0	x 39 =		OR	x 78 =	
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED					+ 130 =		OR	+ 260 =	
					TOTAL		OR	TOTAL	\$ 764.00

\*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

\*If the difference in Col. 1 is less than zero, enter "0"  
in Col. 2

☐ Please charge my Deposit Account No. 08-3038 in the amount of \_\_\_\_\_. A duplicate copy of this sheet is attached.

☒ A check in the amount of \$ 804.00 to cover the filing and recordation fees is enclosed.

☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 08-3038. A duplicate copy of this sheet is attached.

☒ Any additional filing fees required under 37 CFR 1.16.

☒ Any patent application processing fees under 37 CFR 1.17.

☐ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 08-3038. A duplicate copy of this sheet is enclosed.

☐ Any patent application processing fees under 37 CFR 1.17.

☐ The issue fee set in 37 CFR 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).

☐ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Date: Nov 30, 00

Michael J. Bell  
Michael J. Bell (Reg. No. 39,604)

by D R Mast  
Reg No 41,408





November 30, 2000

1299 PENNSYLVANIA AVE., NW  
WASHINGTON, DC 20004-2402  
PHONE 202.783.0800  
FAX 202.383.6610  
A LIMITED LIABILITY PARTNERSHIP



BY HAND DELIVERY

Assistant Commissioner for Patents  
Washington, D.C. 20231

Box Patent Application



Re: Non-Provisional Utility Patent Application  
Application No.: To be Assigned; Filed: November 30, 2000  
For: **Liquid Crystal Display Device**  
Inventor(s): **Sang-Duk LEE, et al.**  
Our Ref: 06192.0169

Sir:

The following documents are forwarded herewith for appropriate action by the  
U.S. Patent and Trademark Office:

1. Utility Patent Application Transmittal Form;
2. Fee Transmittal Form 1082 (duplicate); and
3. U.S. Utility Patent Application entitled:

**Liquid Crystal Display Device**

and naming as inventor(s):

**Sang-Duk LEE;**  
**Jung-Gug PAE;**  
**Sung-Hwan CHO;**  
**Young-Jae LEE; and**  
**Kwang-Soo LEE**

the application consisting of:

- a. a specification containing:
  - (i) 20 pages of description prior to the claims;
  - (ii) 6 pages of claims (23 claims); and
  - (iii) a one (1) page abstract;

Assistant Commissioner for Patents  
November 30, 2000  
Page 2

- b. 13 sheets of drawings: (Figs. 1 - 13, inclusive);
- 4. a copy of the executed Combined Declaration and Power of Attorney for Patent Application;
- 5. Form PTO-1595 Recordation Cover Sheet and a copy of the executed Assignment to Samsung Electronics Co., Ltd., recordation of which is hereby respectfully requested;
- 6. Claim for Priority under 35 U.S.C. § 119 in Utility Application (duplicate);
- 7. certified copy of Korean Priority Document Patent Appl. Nos. 1999-53932 and 2000-44106;
- 8. our check no. 341065 for \$804.00 to cover:  
\$ 764.00 filing fee for patent application;  
40.00 assignment recordation fee; and
- 9. two (2) return postcards.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

Applicant hereby claims foreign priority benefits under Title 35, United States Code, § 119 to Korean Application Nos. 1999-53932 and 2000-44106, respectively filed November 30, 1999 and July 29, 2000.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038. A duplicate copy of this letter is enclosed.

Respectfully submitted,

*Michael J. Bell*

Michael J. Bell  
Registration No. 39,604

Enclosures

*by*  
*Dir. R. Masl*  
*Reg. No. 41,408*